

Date:

Tuesday, 2/27/2007 9:45:49 AM

User:

Chantal Lavoie

Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

Job Number **Estimate Number** : 29731

P.O. Number

: 11136 · NIA

Prsht Rev.

First Issue

: 2/27/2007 This Issue

: NC

: 12/1/2006

Type

S.O. No. : 1/11

: MACHINED PARTS

: 28836 **Previous Run**

Written By

Checked & Approved By

Comment

: Est A04.02.18

Drawing Name

: BEARING ASSEMBLY

Part Number

: D3183045

Drawing Number

: D3183 REV C1

Project Number

: N/A : C1

Drawing Revision Material

: 12/8/2006 **Due Date**

Qty:

30 Um:

Each

Additional Product

Job Number:



Seq. #:

Description:

1.0

D31839



Comment: Qty.:

1.0000 Each(s)/Unit Total:

30.0000 Each(s)

Сар

SAM

D31835



Comment: Qty.:

D3183-5

1.0000 Each(s)/Unit Total:

30.0000 Each(s)

Bearing

Pick:

Qty Part Number

Description

Bearing

3.0

2.0

SMALL FAB 1

SMALL & MEDIUM FAB RESOURCE 1



Comment: SMALL & MEDIUM FAB RESOURCE 1

Press D3183-5 Bearing into D3183-9 Cap as per Dwg D3183.

4.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP



Dart Aerospace Ltd

W/O:			WORK ORDER C					
DATE	STEP	PR	OCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No):	PAR #:	Fault Category:	NCR: Yes	No DQ	⊥ A : ⊆	Date: <u>C</u>	7/02/27

NCR:			WORK ORD	ER NON-CONFORMAN	CE (NCR)					
		Description of NC	Corrective Action Section B			Vifiti				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector		
						!				

NOTE: Date & initial all entries

QA: N/C Closed: _____ Date: ____

Date:

Tuesday, 2/27/2007 9:45:49 AM

User:

Chantal Lavoie

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: BEARING ASSEMBLY

Job Number: 29731

Part Number: D3183045

Job Number:



Seq. #:

Machine Or Operation:

Description:

5.

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location:

C207/02/27

30

6.0

QC21

FINAL INSPECTION/W/O RELEASI



30)

Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



Dart Ae	rospace Ltd							
W/O:			WORK ORDER	CHANGES				
DATE	STEP	PR	OCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No:		PAR #:	Fault Category:	NCR: Yes	NCR: Yes No DQA: Date:			
				QA:	N/C Close	d:	Date:	
NCR:			WORK ORDER NON-CON	IFORMANCE (NO	R)			

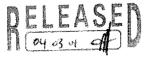
		WORK ORDE	ER NON-CONFORMAN	CE (NCR)			
	Description of NC	Corrective Action Section B			Verification		
STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	Approval QC Inspector
					1		
					:		
	STEP	STED Description of NC	STEP Description of NC Section A Initial	STEP Description of NC Corrective Action Section B Section A Initial Action Description	STEP Description of NC Section A Initial Action Description Sign &	STEP Section A Initial Action Description Sign & Section C	STEP Description of NC Section A Initial Action Description Sign & Verification Approval Chief Eng

NOTE: Date & initial all entries



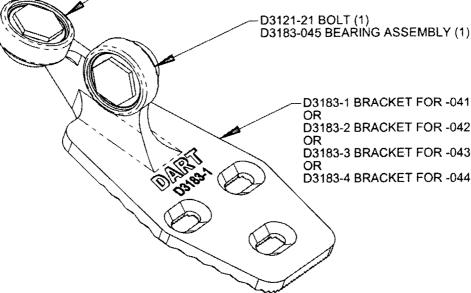


(DESIGN DRAWN BY			DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
7	CHECK	ĘĎ	APPROVED	DRAWING NO.	REV. C		
	à	#-	All	D3183	SHEET 1 OF 4		
1	04.02.17		acid adamstarracini i secreti suddeteti di dettati ciismi di aania	TITLE	SCALE		
			02.17	BRACKET ASSEMBLY	1:1		
T	Α	O	3.01.24	NEW ISSUE			
В		03.06.17		REMOVE BEARING; 1.012 WS 0.8	82		



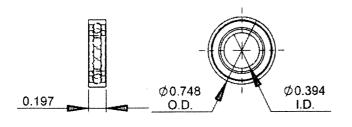
	04.02.17	BRACKET ASSEMBLY	1:1
 Α	03.01.24	NEW ISSUE	
В	03.06.17	REMOVE BEARING; 1.012 WS 0.882	
С	,04.02.17	ADD -045/-9; 0.182 WAS 0.431	
Ci	-4 7 04.11.09	0.830 WAS 0.850	

D3121-21 BOLT (1) D3183-045 BEARING ASSEMBLY (1)



D3183-1 BRACKET FOR -041 (SHOWN) D3183-2 BRACKET FOR -042 (OPPOSITE) D3183-3 BRACKET FOR -043 (SIMILAR) D3183-4 BRACKET FOR -044 (SIMILAR)

D3183-041 BRACKET ASSEMBLY (SHOWN) D3183-042 BRACKET ASSEMBLY (OPPOSITE) D3183-043 BRACKET ASSEMBLY (SIMILAR D3183-044 BRACKET ASSEMBL



D3183-5 BEARING: SPECIFICATION CONTROL DRAWING

- 1) SINGLE ROW, DEEP GROOVE, CONRAD TYPE, SHIELDED
 2) POSSIBLE SUPPLIER: NSK P/N 6800ZZ
- 3) ALL DIMENSIONS ARE IN INCHES

0.052 ±0.005 Ø0.600 +0.005 Ø0.394 0.000 I.D O.D.

D3183-7 WASHER

- 1) MATERIAL: AISI 303 ROUND BAR (M303R) **ANNEALED**
- 2) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES

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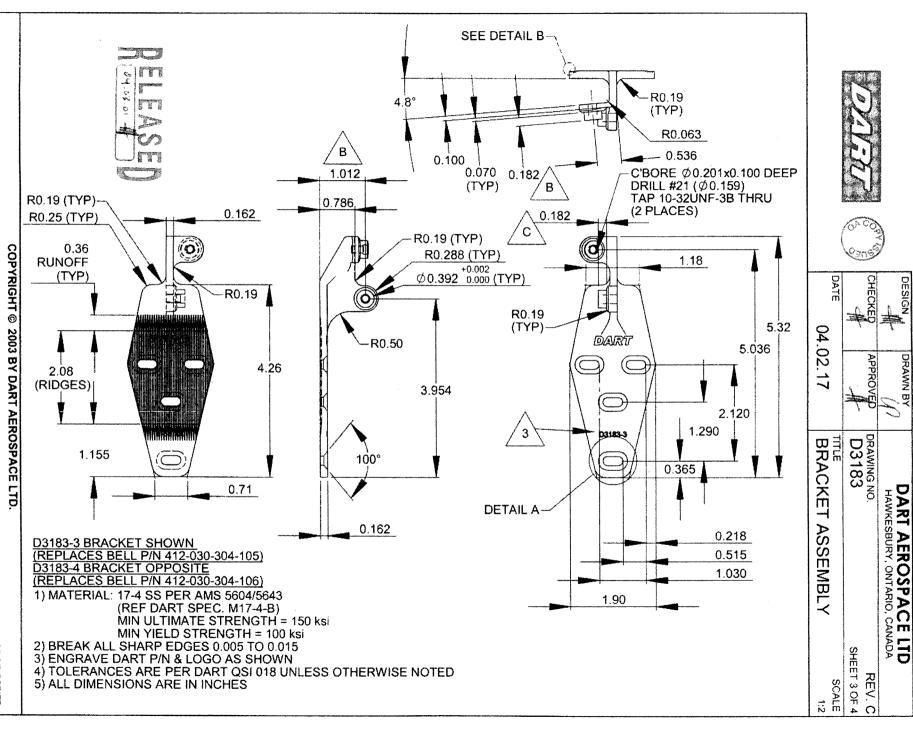
SEE DETAIL B R0.19 4.8° (TYP) 18 R0.063 0.536 0.100 0.1820.070 (TYP) В В 1.012 0.182 C'BORE Ø0.201x0.100 DEEP DRILL #21 (Ø0.159) TAP 10-32UNF-3B THRU 0.786 COPYRIGHT © R0.19 (TYP) 0.162 R0.25 (TYP) (2 PLACES) DATE R0.19 (TYP) **(0)** (d 0.356 R0.29 (TYP) 1.18 **RUNOFF** Ø0.392 +0.002 0.000 (TYP) (TYP) 04.02.17 2003 BY DART AEROSPACE LTD. 田 APPROVED 4.17 DRAWN BY R_{0.19} R0.19 3.881 (TYP) DART D3183-1 R_{0.50} 3.105 2.799 2.075 (RIDGES) 0.830 DRAWING NO. D3183 BRACKE 100° **DETAIL A** 0.500 DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA 1.27 0.162 -0.218 AS D3183-1 BRACKET SHOWN D3183-2 BRACKET OPPOSITE 0.515 SEMBLY 1) D3183-1 CAN BE MADE FROM D3183-3 1.030 D3183-2 CAN BE MADE FROM D3183-4 2) MATERIAL: 17-4 SS PER AMS 5604/5643 1.90 (REF DART SPEC. M17-4-B) MIN ULTIMATE STRENGTH = 150 ksi MIN YIELD STRENGTH = 100 ksi 3) BREAK ALL SHARP EDGES 0.005 TO 0.015 SHEET 2 OF 4 4) ENGRAVE DART P/N & LOGO AS SHOWN 5) TOLERANCES ARE PER DART QSI 018 UNLESS REV. SCALE OTHERWISE NOTED 6) ALL DIMENSIONS ARE IN INCHES O

K.

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C201/02/2

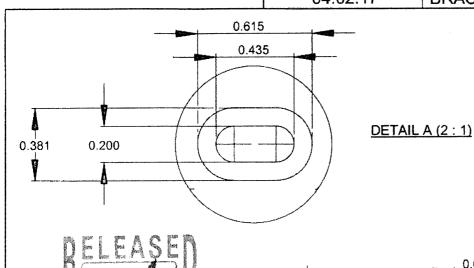






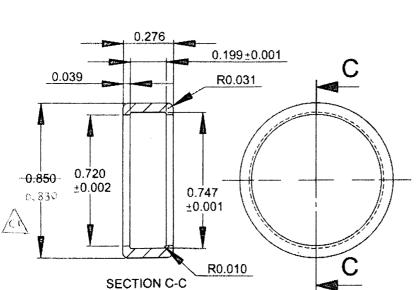
DESIGN	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
CHECKED	APPROVED	DRAWING NO. D3183	REV. C SHEET 4 OF 4	
DATE 04	02 1 7	BRACKET ASSEMBLY	SCALE 1:1	

0.050 (TYP)



DETAIL B (20:1)

0.032



SCALE 2:1

D3183-9 CAP

1) MATERIAL: DELRIN ROD, Ø1.00 (REF DART SPEC. M-DELRIN-R1.00)

0.025 (TYP)

- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
 3) ALL DIMENSIONS ARE IN INCHES

D3183-045 BEARING ASSEMBLY

1) ASSEMBLE D3183-5 BEARING AND D3183-9 CAP

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